

CLAIMS

What is claimed is:

1 1. A purified nucleic acid encoding a polypeptide having an amino acid
2 sequence selected from the group consisting of SEQ ID NOs: 2-23.

1 2. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 2.

1 3. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 3.

1 4. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 4.

1 5. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 5.

1 6. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 6.

1 7. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 7.

1 8. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 8.

1 9. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 9.

1 10. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 10.

1 11. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 11.

1 12. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 12.

1 13. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 13.

1 14. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 14.

1 15. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 15.

1 16. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 16.

1 17. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 17.

1 18. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 18.

1 19. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 19.

1 20. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 20.

1 21. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 21.

1 22. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 22.

1 23. The purified nucleic acid of claim 1, wherein the polypeptide has the
2 amino acid sequence of SEQ ID NO: 23.

 24. The purified nucleic acid of claim 1, wherein the nucleic acid encodes
a polypeptide consisting of an amino acid sequence selected from the group consisting of SEQ ID
NOs: 2-23.

 25. The purified nucleic acid of claim 24, wherein the polypeptide consists of
the amino acid sequence of SEQ ID NO: 2.

1 26. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 3.

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1 27. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 4.

1 28. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 5.

1 29. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 6.

1 30. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 7.

1 31. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 8.

1 32. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 9.

1 33. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 10.

1 34. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 11.

1 35. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 12.

1 36. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 13.

1 37. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 14.

1 38. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 15.

1 39. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 16.

1 40. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 17.

1 41. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 18.

1 42. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 19.

1 43. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 20.

1 44. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 21.

1 45. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 22.

1 46. The purified nucleic acid of claim 24, wherein the polypeptide consists of
2 the amino acid sequence of SEQ ID NO: 23.